

Listing of Claims

The following listing of claims is believed to be unchanged from Applicants' prior response, and is provided merely for the convenience of the Examiner:

1. (Previously Presented) A method of fixing a power light-emitting diode having a metallic base to a metallic heat-radiating element comprising the step of laser spot welding the base of the light-emitting diode to the radiating element, wherein the heat-radiating element is coated with a layer of a metal, able to absorb the energy of a laser light.
2. (Canceled).
3. (Previously presented) A method according to Claim 1, wherein each welding spot has a centre and wherein the centres of the welding spots are distributed substantially regularly over a contour parallel to the external perimeter of the base.
4. (Previously presented) A method according to Claim 1, wherein the welding spots are produced in the vicinity of the external perimeter of the base.
5. (Previously Presented) An indicating or lighting device for a car, comprising a power light-emitting diode having a base mainly made from copper which is fixed to a metallic heat-radiating element, wherein the base of the diode is fixed by laser spot welding to the heat-radiating element, which is covered with a layer of a metal for absorbing laser radiation.
6. (Cancelled).

7. (Previously presented) A device according to Claim 5, wherein each welding spot has a centre and wherein the centres of the welding spots are distributed substantially regularly over a contour parallel to the external perimeter of the base.
8. (Previously presented) A device according to Claim 7, wherein the welding spots are distributed adjacent to the external perimeter of the base.
9. (Previously presented) A device according to Claim 5, comprising projections on the radiating element for centering the base of the diode.
10. (Previously Presented) A device according to Claim 5, wherein the electrodes of from the diode are laser spot welded to conductive lugs.
11. (Previously Presented) A device according to Claim 5, wherein the heat-radiating element to which the base of the light-emitting diode is fixed is attached to an insulating support situated on the opposite side to the diode with respect to the radiating element, said insulating support comprising electrical connection lugs, each electrode of the diode being connected respectively to a lug, the insulating support comprising openings in line with the base and openings in line with electrodes of from the diode for passage of the laser welding beam.
12. (Previously presented) A device according to Claim 11, wherein the connecting lugs are situated on the side of the insulating support disposed towards the radiating element.
13. (Previously presented) A device according to Claim 11, wherein the connecting lugs are situated on the side of the insulating support opposite to the heat-radiating element and the connection between each connecting lug and the corresponding electrode of the diode

is effected through a window provided in the insulating support and another window provided in the radiating element.

14. (Previously Presented) A device according to Claim 5, wherein the heat-radiating element to which the base of the light-emitting diode is fixed is attached to an insulating support situated on the same side as the diode with respect to the heat-radiating element, an opening being provided in the insulating support in line with the base of the light-emitting diode for its housing the base and providing contact with the heat-radiating element, and openings being provided for the electrodes from the light-emitting diode.
15. (Previously Presented) A device according to Claim 5, wherein an insulating support is moulded onto the heat-radiating element, providing openings in line with the location of the base and electrodes of the light-emitting diode.
16. (Cancelled).
17. (Previously Amended) A device according to Claim 5, wherein the heat-radiating element is principally composed of copper.